

Descriptive Statistics and Correlations Tables for California's 2000 School Characteristics Index and Similar Schools Ranks

**By the Technical Design Group of the
Advisory Committee for the
Public Schools Accountability Act of 1999**

2001 Supplement to PSAA Technical Report 00-1

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Further information concerning this supplement can be obtained by contacting the California Department of Education, Policy and Evaluation Division, at (916) 657-2757 or <psaa@cde.ca.gov>.

**Supplemental Report of the Technical Design Group of the
Advisory Committee for the
Public Schools Accountability Act of 1999**

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1999 Similar Schools Ranks

In April of 2000, the Technical Design Group (TDG) of the Advisory Committee for the Public Schools Accountability Act of 1999 (PSAA) completed a report describing the construction and interpretation of the Academic Performance Index (API) decile ranks relative to schools with similar characteristics required by the PSAA. This report, PSAA Technical Report 00-1, focused on the 1999 similar schools ranks (SSRs) published in April 2000. The April similar schools ranks reported a school's 1999 Base API relative to a selected group of similar schools. The report included seven sections:

1. A summary of the PSAA legislation pertaining to similar schools.
2. The definitions and data sources for the similar characteristics defined in law.
3. A description of the review and analyses undertaken by the TDG.
4. A description of the approach adopted for determining SSRs.
5. A discussion of the interpretation of decile ranks.
6. Questions and answers about the SSRs.
7. Appendices:
 - A. Listing of TDG members and their affiliations.
 - B. Graphic displays illustrating the calculation of the SSRs.
 - C. Tables showing the descriptive statistics for elementary, middle, and high schools.
 - D. Tables showing the correlations for elementary, middle, and high schools.

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2000 Similar Schools Ranks

The 2000 similar schools ranks were calculated using the same methodology as that employed for the 1999 similar schools ranks. For a description of the similar schools ranks methodology, please refer to PSAA Technical Report 00-1. Note that sources for some of the data elements included in these calculations have changed; please refer to page 6 of Explanatory Notes for the 2000 Academic Performance Index Base Report.

This 2001 Supplement to PSAA Technical Report 00-1 provides the descriptive statistics and correlations tables for elementary, middle, and high schools specific to the 2000 Base API similar schools ranks calculations. This information supplements Appendices C and D of PSAA Technical Report 00-1. Regression coefficients comprise the rightmost columns of Appendix C.

Appendix C: Descriptive Statistics for Elementary Schools (4776 schools, weighted by the number of tests contributing to the API)

	Ranges				Central Tendency		Measures of Dispersion		Correlation with API	Coefficient ^a in	
	Theoretical	Actual								Model 1 ^b	Model 2 ^b
	min	max	min	max	mean	median	std. dev ⁿ	variance			
Socioeconomic Indicators											
Average Parent Education ^c	1	5	1.00	5.00	2.70	2.65	0.76	0.58	0.83	7.419	n/a
% of Pupils Participating in Free or Reduced Price Lunch Program	0	100	0.00	100.00	53.98	56.25	31.72	1006.17	-0.90	-0.157	-0.285
English Learners											
% of Pupils Classified As English Learners	0	100	0.00	94.58	28.02	21.76	24.18	584.56	-0.77	-0.0951	-0.115
Racial/Ethnic Groups											
% African American not Hispanic	0	100	0.00	98.11	8.38	3.59	12.32	151.84	-0.24	1.384	1.672
% American Indian or Alaska Native	0	100	0.00	90.71	0.82	0.39	2.25	5.04	0.03	1.214	1.445
% Asian	0	100	0.00	88.60	7.90	3.30	11.75	138.09	0.29	1.636	1.962
% Filipino	0	100	0.00	77.37	2.32	0.88	4.78	22.88	0.13	1.589	1.886
% Hispanic or Latino	0	100	0.00	100.00	42.64	37.73	29.50	869.98	-0.80	1.440	1.705
% Pacific Islander	0	100	0.00	23.45	0.64	0.28	1.22	1.49	0.02	1.673	1.721
% White not Hispanic	0	100	0.00	99.15	36.29	31.36	28.95	837.93	0.77	1.533	1.818
% Multiple or No Response	0	100	0.00	36.42	1.01	0.31	2.05	4.20	0.11	1.439	1.707
Teacher Credentials											
% of Teachers with Full Credentials	0	100	12.20	100.00	86.32	90.90	14.13	199.80	0.58	0.0189	0.0133
% of Teachers with Emergency Credentials	0	100	0.00	84.60	12.15	8.60	12.35	152.42	-0.54	-0.0189	-0.0133
Year Round											
Year Round Indicator ^c	0	1	0.00	1.00	0.26	0.00	0.44	0.19	-0.37	-1.275	-1.635
School Mobility											
% of Pupils First Attending This School in Current	0	100	0.00	100.00	18.91	16.70	12.61	158.97	-0.16	-0.0522	-0.0548
Class Size											
Average, Grades K-3	1	*	11.50	31.14	19.40	19.31	1.44	2.08	0.02	0 ^a	0 ^a
Average, Grades 4-6	1	*	13.90	50.00	29.16	29.30	2.86	8.17	0.05	0 ^a	0 ^a
Average, Core Academic Courses in Departmentalized Programs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Parent Education Response											
% of Pupils with Parent Education Data	0	100	0.00	100.00	71.99	85.70	31.74	1007.44	n/a	n/a	n/a

* There is no theoretical maximum value for average class size.

^a Certain variables are excluded from the model. See discussion beginning on p. 10 of the PSAA Technical Report 00-1.

^b Model 1 includes the parent education variable, Model 2 does not.

^c A definition of this variable is provided on p. 3 of the PSAA Technical Report 00-1.

Note: Data above exclude schools with fewer than 100 valid test scores. Also excluded are schools serving non-traditional student populations (such as schools under the jurisdiction of a county board of education or county superintendent of schools, community day schools, and alternative schools, including continuation schools) unless these schools specifically elected to participate in the main API accountability system. Charter schools serving a traditional student population with 100 or more valid test scores are included.

"n/a" means not applicable.

Appendix C: Descriptive Statistics for Middle Schools (1124 schools, weighted by the number of tests contributing to the API)

	Ranges				Central Tendency		Measures of Dispersion		Correlation with API	Coefficient ^a in	
	Theoretical	Actual									
	min	max	min	max	mean	median	std. dev'n	variance		Model 1 ^b	Model 2 ^b
Socioeconomic Indicators											
Average Parent Education ^c	1	5	1.00	4.60	2.85	2.83	0.68	0.46	0.87	10.151	n/a
% of Pupils Participating in Free or Reduced Price Lunch Program	0	100	0.00	100.00	46.20	44.32	28.24	797.49	-0.90	-0.124	-0.239
English Learners											
% of Pupils Classified As English Learners	0	100	0.00	88.82	20.89	16.37	17.37	301.83	-0.76	-0.109	-0.164
Racial/Ethnic Groups											
% African American not Hispanic	0	100	0.00	87.50	8.64	4.06	11.81	139.56	-0.33	1.089	1.471
% American Indian or Alaska Native	0	100	0.00	49.45	0.79	0.44	1.48	2.18	0.07	0.850	0.927
% Asian	0	100	0.00	67.41	8.19	4.07	10.85	117.83	0.32	1.475	1.912
% Filipino	0	100	0.00	49.02	2.67	1.23	4.79	22.93	0.08	1.344	1.799
% Hispanic or Latino	0	100	0.00	99.25	40.99	36.38	27.77	771.17	-0.81	1.282	1.597
% Pacific Islander	0	100	0.00	11.98	0.66	0.36	0.98	0.96	-0.01	1.356	1.177
% White not Hispanic	0	100	0.00	100.00	36.98	33.60	27.62	762.88	0.80	1.356	1.762
% Multiple or No Response	0	100	0.00	14.36	1.07	0.39	1.83	3.34	0.13	1.321	1.567
Teacher Credentials											
% of Teachers with Full Credentials	0	100	33.30	100.00	84.65	87.80	13.34	177.93	0.63	0.0591	0.0486
% of Teachers with Emergency Credentials	0	100	0.00	78.60	14.27	12.00	11.16	124.56	-0.59	-0.0591	-0.0486
Year Round											
Year Round Indicator ^c	0	1	0.00	1.00	0.10	0.00	0.30	0.09	-0.27	-2.025	-2.177
School Mobility											
% of Pupils First Attending This School in Current	0	100	0.00	100.00	18.12	13.20	17.41	303.07	-0.11	-0.00543	-0.0131
Class Size											
Average, Grades K-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Average, Grades 4-6	1	*	3.00	46.00	29.63	29.46	3.06	9.35	0.02	0 ^a	0 ^a
Average, Core Academic Courses in Departmentalized Programs	1	*	8.50	38.32	28.38	28.44	2.64	6.97	0.10	0 ^a	0 ^a
Parent Education Response											
% of Pupils with Parent Education Data	0	100	0.00	100.00	74.75	84.60	26.81	718.92	n/a	n/a	n/a

* There is no theoretical maximum value for average class size.

^a Certain variables are excluded from the model. See discussion beginning on p. 10 of the PSAA Technical Report 00-1.

^b Model 1 includes the parent education variable, Model 2 does not.

^c A definition of this variable is provided on p. 3 of the PSAA Technical Report 00-1.

Note: Data above exclude schools with fewer than 100 valid test scores. Also excluded are schools serving non-traditional student populations (such as schools under the jurisdiction of a county board of education or county superintendent of schools, community day schools, and alternative schools, including continuation schools) unless these schools specifically elected to participate in the main API accountability system. Charter schools serving a traditional student population with 100 or more valid test scores are included.

"n/a" means not applicable.

Appendix C: Descriptive Statistics for High Schools (852 schools, weighted by the number of tests contributing to the API)

	Ranges				Central Tendency		Measures of Dispersion		Correlation with API	Coefficient ^a in	
	Theoretical		Actual							Model 1 ^b	Model 2 ^b
	min	max	min	max	mean	median	std. dev/n	variance			
Socioeconomic Indicators											
Average Parent Education ^c	1	5	1.46	4.75	2.92	2.95	0.65	0.43	0.93	15.984	n/a
% of Pupils Participating in Free or Reduced Price Lunch Program	0	100	0.00	100.00	32.41	26.67	24.58	604.30	-0.81	0 ^a	-0.116
English Learners											
% of Pupils Classified As English Learners	0	100	0.00	73.52	16.04	12.21	13.85	191.79	-0.70	-0.0911	-0.186
Racial/Ethnic Groups											
% African American not Hispanic	0	100	0.00	76.14	7.74	3.71	10.46	109.42	-0.34	0.812	1.356
% American Indian or Alaska Native	0	100	0.00	66.32	0.86	0.51	1.82	3.30	0.05	0.975	0.994
% Asian	0	100	0.00	72.26	9.52	5.14	12.01	144.33	0.32	1.190	1.844
% Filipino	0	100	0.00	53.12	3.03	1.48	5.12	26.18	0.02	1.007	1.640
% Hispanic or Latino	0	100	1.64	98.60	36.86	30.67	26.16	684.30	-0.81	1.062	1.446
% Pacific Islander	0	100	0.00	15.20	0.69	0.39	1.04	1.08	-0.03	0.931	0.931
% White not Hispanic	0	100	0.00	93.74	40.04	38.76	27.03	730.83	0.76	1.068	1.689
% Multiple or No Response	0	100	0.00	16.12	1.26	0.43	2.10	4.42	0.09	1.165	1.247
Teacher Credentials											
% of Teachers with Full Credentials	0	100	35.70	100.00	86.89	88.40	9.51	90.38	0.50	0.0528	0.0504
% of Teachers with Emergency Credentials	0	100	0.00	65.60	12.86	12.30	8.24	67.94	-0.48	-0.0528	-0.0504
Year Round											
Year Round Indicator ^c	0	1	0.00	1.00	0.06	0.00	0.23	0.05	-0.34	0 ^a	0 ^a
School Mobility											
% of Pupils First Attending This School in Current	0	100	0.00	100.00	15.53	10.10	19.31	372.73	-0.10	-0.0143	-0.0196
Class Size											
Average, Grades K-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Average, Grades 4-6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Average, Core Academic Courses in Departmentalized Programs	1	*	9.19	39.38	27.99	27.88	2.61	6.80	0.00	-0.0261	0 ^a
Parent Education Response											
% of Pupils with Parent Education Data	0	100	0.00	100.00	79.36	87.90	23.75	564.28	n/a	n/a	n/a

* There is no theoretical maximum value for average class size.

^a Certain variables are excluded from the model. See discussion beginning on p. 10 of the PSAA Technical Report 00-1.

^b Model 1 includes the parent education variable, Model 2 does not.

^c A definition of this variable is provided on p. 3 of the PSAA Technical Report 00-1.

Note: Data above exclude schools with fewer than 100 valid test scores. Also excluded are schools serving non-traditional student populations (such as schools under the jurisdiction of a county board of education or county superintendent of schools, community day schools, and alternative schools, including continuation schools) unless these schools specifically elected to participate in the main API accountability system. Charter schools serving a traditional student population with 100 or more valid test scores are included.

"n/a" means not applicable.

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Appendix D: Correlations for Elementary Schools (weighted by the number of tests contributing to the API)

Above the diagonal: Model 1 correlations (schools with at least 50% of students with parental education data, n = 3818)

Below the diagonal: Model 2 correlations based on all schools (n = 4776)

	API	Parent Education	Free or Reduced Lunch	English Learners	African American not	American Indian or Alaska Native	Asian	Filipino	Hispanic or Latino	Pacific Islander	White not Hispanic	Multiple or No Response	Fully Credentialed Teachers	Emergency Credentialed Teachers	Year Round Indicator	School Mobility	K-3 Class Size	4-6 Class Size
API		0.880*** 0.000	-0.892*** 0.000	-0.762*** 0.000	-0.221*** 0.000	0.003 0.854	0.267*** 0.000	0.109*** 0.000	-0.799*** 0.000	-0.005 0.751	0.747*** 0.000	0.099*** 0.000	0.525*** 0.000	-0.486*** 0.000	-0.319*** 0.000	-0.173*** 0.000	-0.015 0.367	0.024 0.138
Parent Education	0.829*** 0.000		-0.888*** 0.000	-0.740*** 0.000	-0.130*** 0.000	0.003 0.872	0.249*** 0.000	0.091*** 0.000	-0.786*** 0.000	-0.034** 0.035	0.710*** 0.000	0.100*** 0.000	0.444*** 0.000	-0.420*** 0.000	-0.278*** 0.000	-0.127*** 0.000	-0.039** 0.017	0.024 0.150
Free or Reduced Lunch	-0.899*** 0.000	-0.842*** 0.000		0.791*** 0.000	0.260*** 0.000	-0.001 0.932	-0.166*** 0.000	-0.082*** 0.000	0.787*** 0.000	0.024 0.145	-0.798*** 0.000	-0.085*** 0.000	-0.504*** 0.000	0.474*** 0.000	0.289*** 0.000	0.140*** 0.000	0.015 0.373	-0.014 0.385
English Learners	-0.772*** 0.000	-0.704*** 0.000	0.799*** 0.000		-0.019 0.235	-0.152*** 0.000	-0.004 0.823	-0.055*** 0.001	0.829*** 0.000	-0.026 0.108	-0.782*** 0.000	-0.119*** 0.000	-0.516*** 0.000	0.467*** 0.000	0.286*** 0.000	0.020 0.227	0.054*** 0.001	0.006 0.733
African American not Hispanic	-0.235*** 0.000	-0.106*** 0.000	0.257*** 0.000	-0.043*** 0.003		-0.051*** 0.002	-0.010 0.551	0.102*** 0.000	-0.080*** 0.000	0.163*** 0.000	-0.341*** 0.000	0.039** 0.016	-0.279*** 0.000	0.232*** 0.000	0.085*** 0.000	0.178*** 0.000	-0.024 0.135	0.054*** 0.001
American Indian or Alaska Native	0.029** 0.043	0.012 0.410	-0.027* 0.066	-0.169*** 0.000	-0.048*** 0.001		-0.064*** 0.000	-0.048*** 0.003	-0.158*** 0.000	0.006 0.708	0.120*** 0.000	0.077*** 0.000	0.135*** 0.000	-0.128*** 0.000	-0.051*** 0.002	0.014 0.379	-0.047*** 0.004	-0.073*** 0.000
Asian	0.288*** 0.000	0.242*** 0.000	-0.190*** 0.000	-0.029** 0.042	-0.045*** 0.002	-0.053*** 0.000		0.146*** 0.000	-0.291*** 0.000	0.012 0.468	-0.142*** 0.000	0.100*** 0.000	0.103*** 0.000	-0.105*** 0.000	-0.096*** 0.000	-0.082*** 0.000	0.066*** 0.000	0.088*** 0.000
Filipino	0.125*** 0.000	0.096*** 0.000	-0.104*** 0.000	-0.073*** 0.000	0.066*** 0.000	-0.038*** 0.009	0.145*** 0.000		-0.128*** 0.000	0.236*** 0.000	-0.161*** 0.000	0.086*** 0.000	0.055*** 0.001	-0.071*** 0.000	-0.062*** 0.000	-0.044*** 0.006	0.032* 0.054	0.067*** 0.000
Hispanic or Latino	-0.802*** 0.000	-0.756*** 0.000	0.799*** 0.000	0.842*** 0.000	-0.095*** 0.000	-0.171*** 0.000	-0.313*** 0.000	-0.135*** 0.000		-0.072*** 0.000	-0.791*** 0.000	-0.184*** 0.000	-0.540*** 0.000	0.513*** 0.000	0.271*** 0.000	0.077*** 0.000	0.074*** 0.000	0.006 0.695
Pacific Islander	0.019 0.178	-0.020 0.177	-0.010 0.502	-0.057*** 0.000	0.144*** 0.000	0.015 0.310	0.028** 0.049	0.241*** 0.000	-0.099*** 0.000		-0.090*** 0.000	0.044*** 0.006	-0.035** 0.031	0.020 0.208	-0.036** 0.026	0.005 0.750	0.031* 0.061	0.027* 0.096
White not Hispanic	0.769*** 0.000	0.688*** 0.000	-0.819*** 0.000	-0.791*** 0.000	-0.326*** 0.000	0.139*** 0.000	-0.096*** 0.000	-0.128*** 0.000	-0.798*** 0.000	-0.059*** 0.000		0.028* 0.085	0.583*** 0.000	-0.534*** 0.000	-0.240*** 0.000	-0.105*** 0.000	-0.091*** 0.000	-0.060*** 0.000
Multiple or No Response	0.113*** 0.000	0.104*** 0.000	-0.104*** 0.000	-0.132*** 0.000	0.032** 0.029	0.079*** 0.000	0.094*** 0.000	0.078*** 0.000	-0.195*** 0.000	0.049*** 0.001	0.055*** 0.000		0.051*** 0.002	-0.046*** 0.005	-0.094*** 0.000	-0.041** 0.011	-0.030* 0.064	-0.141*** 0.000
Fully Credentialed Teachers	0.577*** 0.000	0.438*** 0.000	-0.561*** 0.000	-0.544*** 0.000	-0.289*** 0.000	0.148*** 0.000	0.144*** 0.000	0.073*** 0.000	-0.565*** 0.000	0.010 0.489	0.612*** 0.000	0.066*** 0.000		-0.918*** 0.000	-0.223*** 0.000	-0.110*** 0.000	-0.014 0.408	-0.046*** 0.005
Emergency Credentialed Teachers	-0.538*** 0.000	-0.425*** 0.000	0.531*** 0.000	0.504*** 0.000	0.240*** 0.000	-0.141*** 0.000	-0.142*** 0.000	-0.083*** 0.000	0.545*** 0.000	-0.018 0.211	-0.570*** 0.000	-0.061*** 0.000	-0.921*** 0.000		0.233*** 0.000	0.129*** 0.000	0.033** 0.041	0.041** 0.011
Year Round Indicator	-0.368*** 0.000	-0.297*** 0.000	0.331*** 0.000	0.346*** 0.000	0.057*** 0.000	-0.066*** 0.000	-0.133*** 0.000	-0.063*** 0.000	0.334*** 0.000	-0.046*** 0.001	-0.285*** 0.000	-0.103*** 0.000	-0.262*** 0.000	0.264*** 0.000		0.159*** 0.000	-0.007 0.674	0.056*** 0.001
School Mobility	-0.159*** 0.000	-0.113*** 0.000	0.131*** 0.000	0.008 0.594	0.169*** 0.000	0.017 0.228	-0.076*** 0.000	-0.023 0.113	0.064*** 0.000	0.012 0.404	-0.101*** 0.000	-0.043*** 0.003	-0.084*** 0.000	0.104*** 0.000	0.137*** 0.000		0.066*** 0.000	0.060*** 0.000
K-3 Class Size	0.019 0.190	-0.023 0.129	-0.023 0.123	0.033*** 0.022	-0.052*** 0.000	-0.039*** 0.007	0.075*** 0.000	0.032** 0.030	0.038** 0.010	0.048*** 0.001	-0.050*** 0.001	-0.015 0.297	0.038*** 0.009	-0.004 0.771	-0.007 0.632	0.049*** 0.001		0.264*** 0.000
4-6 Class Size	0.047*** 0.001	0.038** 0.011	-0.041*** 0.005	-0.013 0.358	0.025* 0.092	-0.073*** 0.000	0.098*** 0.000	0.070*** 0.000	-0.017 0.234	0.034** 0.021	-0.031** 0.031	-0.124*** 0.000	-0.016 0.267	0.026* 0.079	0.034** 0.018	0.051*** 0.000	0.263*** 0.000	

Note: Correlations are bivariate correlations with each observation (school) weighted by the number of valid test scores.

Each cell contains the correlation (top) and its statistical significance (bottom in italics).

* Significant at the 0.10 level. ** Significant at the 0.05 level. *** Significant at the 0.01 level.

Appendix D: Correlations for Middle Schools (weighted by the number of tests contributing to the API)

Above the diagonal: Model 1 correlations (schools with at least 50% of students with parental education data, n = 969)

Below the diagonal: Model 2 correlations based on all schools (n = 1124)

	API	Parent Education	Free or Reduced Lunch	English Learners	African American not	American Indian or Alaska Native	Asian	Filipino	Hispanic or Latino	Pacific Islander	White not Hispanic	Multiple or No Response	Fully Credentialed Teachers	Emergency Credentialed Teachers	Year Round Indicator	School Mobility	4-6 Class Size	Core Class Size
API		0.902*** 0.000	-0.899*** 0.000	-0.769*** 0.000	-0.299*** 0.000	0.042 0.187	0.292*** 0.000	0.078** 0.015	-0.803*** 0.000	-0.028 0.384	0.783*** 0.000	0.133*** 0.000	0.597*** 0.000	-0.558*** 0.000	-0.265*** 0.000	-0.114*** 0.000	0.039 0.306	0.077** 0.018
Parent Education	0.869*** 0.000		-0.868*** 0.000	-0.773*** 0.000	-0.081** 0.012	0.023 0.468	0.256*** 0.000	0.097*** 0.003	-0.819*** 0.000	-0.016 0.621	0.722*** 0.000	0.113*** 0.000	0.448*** 0.000	-0.445*** 0.000	-0.228*** 0.000	-0.082** 0.011	0.056 0.145	0.062* 0.054
Free or Reduced Lunch	-0.902*** 0.000	-0.837*** 0.000		0.788*** 0.000	0.228*** 0.000	-0.037 0.252	-0.171*** 0.000	-0.080** 0.013	0.794*** 0.000	-0.013 0.688	-0.792*** 0.000	-0.135*** 0.000	-0.517*** 0.000	0.500*** 0.000	0.218*** 0.000	0.070** 0.029	-0.032 0.400	-0.117*** 0.000
English Learners	-0.759*** 0.000	-0.756*** 0.000	0.772*** 0.000		0.013 0.681	-0.192*** 0.000	-0.035 0.272	-0.059* 0.064	0.795*** 0.000	-0.043 0.178	-0.751*** 0.000	-0.149*** 0.000	-0.427*** 0.000	0.413*** 0.000	0.221*** 0.000	0.064** 0.048	-0.021 0.585	-0.041 0.204
African American not Hispanic	-0.335*** 0.000	-0.087*** 0.004	0.254*** 0.000	0.001 0.967		-0.073** 0.023	0.012 0.708	0.136*** 0.000	-0.083*** 0.010	0.218*** 0.000	-0.369*** 0.000	0.042 0.196	-0.397*** 0.000	0.324*** 0.000	0.017 0.597	0.155*** 0.000	0.026 0.499	-0.010 0.749
American Indian or Alaska Native	0.069** 0.020	0.047 0.119	-0.061** 0.040	-0.204*** 0.000	-0.076** 0.010		-0.064** 0.047	-0.077** 0.017	-0.210*** 0.000	0.023 0.475	0.219*** 0.000	0.060* 0.060	0.149*** 0.000	-0.137*** 0.000	-0.066** 0.039	0.029 0.362	-0.116*** 0.002	-0.079** 0.015
Asian	0.316*** 0.000	0.255*** 0.000	-0.204*** 0.000	-0.062** 0.037	-0.020 0.505	-0.057* 0.054		0.143*** 0.000	-0.322*** 0.000	0.037 0.251	-0.123*** 0.000	0.170*** 0.000	0.126*** 0.000	-0.107*** 0.001	-0.132*** 0.000	-0.046 0.150	0.078** 0.042	-0.002 0.957
Filipino	0.084*** 0.005	0.084*** 0.005	-0.079*** 0.008	-0.054* 0.070	0.095*** 0.001	-0.069** 0.020	0.158*** 0.000		-0.134*** 0.000	0.359*** 0.000	-0.178*** 0.000	0.094*** 0.003	0.070** 0.030	-0.079** 0.014	-0.068** 0.034	-0.002 0.953	0.086** 0.026	0.000 0.999
Hispanic or Latino	-0.808*** 0.000	-0.805*** 0.000	0.803*** 0.000	0.801*** 0.000	-0.065** 0.028	-0.222*** 0.000	-0.340*** 0.000	-0.131*** 0.000		-0.120*** 0.000	-0.777*** 0.000	-0.223*** 0.000	-0.500*** 0.000	0.471*** 0.000	0.252*** 0.000	0.047 0.142	0.003 0.939	-0.031 0.333
Pacific Islander	-0.008 0.794	-0.012 0.681	-0.038 0.200	-0.059** 0.047	0.185*** 0.000	0.036 0.234	0.041 0.165	0.357*** 0.000	-0.130*** 0.000		-0.094*** 0.003	0.048 0.138	-0.023 0.474	0.020 0.528	0.020 0.543	0.029 0.366	0.011 0.767	0.007 0.818
White not Hispanic	0.805*** 0.000	0.723*** 0.000	-0.808*** 0.000	-0.751*** 0.000	-0.375*** 0.000	0.231*** 0.000	-0.078*** 0.009	-0.158*** 0.000	-0.791*** 0.000	-0.068** 0.022		0.045 0.163	0.587*** 0.000	-0.535*** 0.000	-0.185*** 0.000	-0.091*** 0.004	-0.047 0.219	0.051 0.112
Multiple or No Response	0.129*** 0.000	0.108*** 0.000	-0.137*** 0.000	-0.130*** 0.000	0.032 0.278	0.066** 0.027	0.147*** 0.000	0.082*** 0.006	-0.209*** 0.000	0.064** 0.033	0.052* 0.081		0.087*** 0.007	-0.080** 0.013	-0.058* 0.071	-0.055* 0.090	-0.094** 0.014	-0.158*** 0.000
Fully Credentialed Teachers	0.632*** 0.000	0.446*** 0.000	-0.557*** 0.000	-0.440*** 0.000	-0.421*** 0.000	0.160*** 0.000	0.149*** 0.000	0.070** 0.019	-0.519*** 0.000	0.003 0.928	0.617*** 0.000	0.085*** 0.004		-0.899*** 0.000	-0.129*** 0.000	-0.080** 0.013	-0.054 0.157	0.038 0.238
Emergency Credentialed Teachers	-0.594*** 0.000	-0.443*** 0.000	0.541*** 0.000	0.428*** 0.000	0.355*** 0.000	-0.149*** 0.000	-0.130*** 0.000	-0.077** 0.010	0.495*** 0.000	-0.003 0.923	-0.572*** 0.000	-0.074** 0.013	-0.909*** 0.000		0.134*** 0.000	0.082** 0.010	0.062 0.104	0.001 0.978
Year Round Indicator	-0.268*** 0.000	-0.223*** 0.000	0.225*** 0.000	0.245*** 0.000	-0.009 0.772	-0.073** 0.014	-0.132*** 0.000	-0.039 0.197	0.260*** 0.000	-0.002 0.956	-0.191*** 0.000	-0.063** 0.034	-0.143*** 0.000	0.145*** 0.000		0.034 0.289	-0.075* 0.050	0.032 0.325
School Mobility	-0.108*** 0.000	-0.069** 0.022	0.069** 0.021	0.043 0.147	0.160*** 0.000	0.029 0.335	-0.044 0.143	-0.007 0.826	0.033 0.274	0.027 0.372	-0.082*** 0.006	-0.054* 0.072	-0.076** 0.011	0.083*** 0.005	0.044 0.141		-0.013 0.745	0.062* 0.056
4-6 Class Size	0.023 0.507	0.043 0.221	-0.018 0.611	-0.025 0.479	0.032 0.361	-0.114*** 0.001	0.049 0.164	0.068* 0.051	0.017 0.630	0.013 0.716	-0.050 0.152	-0.088** 0.012	-0.062* 0.078	0.077** 0.027	-0.077** 0.029	-0.015 0.672		0.453*** 0.000
Core Class Size	0.104*** 0.001	0.077** 0.011	-0.140*** 0.000	-0.080*** 0.007	0.005 0.862	-0.066** 0.027	-0.005 0.858	-0.003 0.922	-0.063** 0.036	0.027 0.366	0.075** 0.013	-0.132*** 0.000	0.060** 0.046	-0.021 0.475	-0.022 0.459	0.067** 0.026	0.487*** 0.000	

Note: Correlations are bivariate correlations with each observation (school) weighted by the number of valid test scores.

Each cell contains the correlation (top) and its statistical significance (bottom in italics).

* = Significant at the 0.10 level. ** = Significant at the 0.05 level. *** = Significant at the 0.01 level.

Appendix D: Correlations for High Schools (weighted by the number of tests contributing to the API)

Above the diagonal: Model 1 correlations (schools with at least 50% of students with parental education data, n = 774)

Below the diagonal: Model 2 correlations based on all schools (n = 852)

	API	Parent Education	Free or Reduced Lunch	English Learners	African American not	American Indian or Alaska Native	Asian	Filipino	Hispanic or Latino	Pacific Islander	White not Hispanic	Multiple or No Response	Fully Credentialed Teachers	Emergency Credentialed Teachers	Year Round Indicator	School Mobility	Core Class Size
API		0.931*** <i>0.000</i>	-0.800*** <i>0.000</i>	-0.713*** <i>0.000</i>	-0.339*** <i>0.000</i>	0.045 <i>0.213</i>	0.298*** <i>0.000</i>	0.030 <i>0.398</i>	-0.801*** <i>0.000</i>	-0.016 <i>0.650</i>	0.745*** <i>0.000</i>	0.106*** <i>0.003</i>	0.492*** <i>0.000</i>	-0.480*** <i>0.000</i>	-0.344*** <i>0.000</i>	-0.093** <i>0.010</i>	-0.001 <i>0.986</i>
Parent Education	0.926*** <i>0.000</i>		-0.839*** <i>0.000</i>	-0.755*** <i>0.000</i>	-0.135*** <i>0.000</i>	0.031 <i>0.387</i>	0.241*** <i>0.000</i>	0.076** <i>0.036</i>	-0.862*** <i>0.000</i>	0.030 <i>0.408</i>	0.742*** <i>0.000</i>	0.076** <i>0.034</i>	0.416*** <i>0.000</i>	-0.404*** <i>0.000</i>	-0.383*** <i>0.000</i>	-0.057 <i>0.114</i>	0.006 <i>0.867</i>
Free or Reduced Lunch	-0.806*** <i>0.000</i>	-0.839*** <i>0.000</i>		0.730*** <i>0.000</i>	0.238*** <i>0.000</i>	-0.063* <i>0.080</i>	-0.132*** <i>0.000</i>	-0.075** <i>0.037</i>	0.773*** <i>0.000</i>	-0.061* <i>0.091</i>	-0.736*** <i>0.000</i>	-0.166*** <i>0.000</i>	-0.402*** <i>0.000</i>	0.364*** <i>0.000</i>	0.467*** <i>0.000</i>	0.039 <i>0.277</i>	-0.040 <i>0.263</i>
English Learners	-0.698*** <i>0.000</i>	-0.734*** <i>0.000</i>	0.729*** <i>0.000</i>		0.070* <i>0.052</i>	-0.129*** <i>0.000</i>	0.049 <i>0.178</i>	-0.016 <i>0.665</i>	0.742*** <i>0.000</i>	-0.010 <i>0.773</i>	-0.731*** <i>0.000</i>	-0.165*** <i>0.000</i>	-0.318*** <i>0.000</i>	0.289*** <i>0.000</i>	0.300*** <i>0.000</i>	0.024 <i>0.513</i>	0.064* <i>0.077</i>
African American not Hispanic	-0.340*** <i>0.000</i>	-0.133*** <i>0.000</i>	0.236*** <i>0.000</i>	0.059* <i>0.087</i>		-0.082** <i>0.022</i>	0.006 <i>0.869</i>	0.103*** <i>0.004</i>	-0.015 <i>0.681</i>	0.163*** <i>0.000</i>	-0.397*** <i>0.000</i>	-0.012 <i>0.733</i>	-0.363*** <i>0.000</i>	0.274*** <i>0.000</i>	0.032 <i>0.369</i>	0.092** <i>0.010</i>	-0.021 <i>0.570</i>
American Indian or Alaska Native	0.049 <i>0.150</i>	0.035 <i>0.303</i>	-0.068** <i>0.048</i>	-0.132*** <i>0.000</i>	-0.081** <i>0.017</i>		-0.073** <i>0.042</i>	-0.067* <i>0.062</i>	-0.187*** <i>0.000</i>	0.052 <i>0.149</i>	0.181*** <i>0.000</i>	0.029 <i>0.418</i>	0.175*** <i>0.000</i>	-0.177*** <i>0.000</i>	-0.083** <i>0.021</i>	0.123*** <i>0.001</i>	-0.059 <i>0.102</i>
Asian	0.316*** <i>0.000</i>	0.260*** <i>0.000</i>	-0.150*** <i>0.000</i>	0.030 <i>0.388</i>	-0.002 <i>0.942</i>	-0.071** <i>0.038</i>		0.171*** <i>0.000</i>	-0.299*** <i>0.000</i>	0.063* <i>0.078</i>	-0.203*** <i>0.000</i>	0.099*** <i>0.006</i>	0.089** <i>0.013</i>	-0.082** <i>0.023</i>	-0.141*** <i>0.000</i>	-0.061* <i>0.089</i>	0.065* <i>0.072</i>
Filipino	0.021 <i>0.543</i>	0.065* <i>0.057</i>	-0.069** <i>0.043</i>	-0.029 <i>0.402</i>	0.102*** <i>0.003</i>	-0.064* <i>0.061</i>	0.155*** <i>0.000</i>		-0.093*** <i>0.009</i>	0.340*** <i>0.000</i>	-0.231*** <i>0.000</i>	0.031 <i>0.394</i>	-0.034 <i>0.350</i>	-0.002 <i>0.961</i>	-0.078** <i>0.030</i>	0.033 <i>0.366</i>	0.047 <i>0.193</i>
Hispanic or Latino	-0.805*** <i>0.000</i>	-0.857*** <i>0.000</i>	0.780*** <i>0.000</i>	0.733*** <i>0.000</i>	-0.016 <i>0.637</i>	-0.187*** <i>0.000</i>	-0.318*** <i>0.000</i>	-0.090*** <i>0.009</i>		-0.138*** <i>0.000</i>	-0.761*** <i>0.000</i>	-0.203*** <i>0.000</i>	-0.449*** <i>0.000</i>	0.435*** <i>0.000</i>	0.412*** <i>0.000</i>	0.014 <i>0.694</i>	0.069* <i>0.056</i>
Pacific Islander	-0.026 <i>0.451</i>	0.026 <i>0.443</i>	-0.060* <i>0.082</i>	-0.013 <i>0.701</i>	0.171*** <i>0.000</i>	0.054 <i>0.115</i>	0.066* <i>0.053</i>	0.333*** <i>0.000</i>	-0.138*** <i>0.000</i>		-0.074** <i>0.041</i>	0.054 <i>0.131</i>	0.035 <i>0.334</i>	-0.072** <i>0.044</i>	-0.115*** <i>0.001</i>	0.014 <i>0.689</i>	0.066* <i>0.069</i>
White not Hispanic	0.757*** <i>0.000</i>	0.745*** <i>0.000</i>	-0.747*** <i>0.000</i>	-0.718*** <i>0.000</i>	-0.390*** <i>0.000</i>	0.184*** <i>0.000</i>	-0.171*** <i>0.000</i>	-0.222*** <i>0.000</i>	-0.770*** <i>0.000</i>	-0.072** <i>0.035</i>		0.064* <i>0.077</i>	0.519*** <i>0.000</i>	-0.465*** <i>0.000</i>	-0.312*** <i>0.000</i>	-0.042 <i>0.242</i>	-0.083** <i>0.022</i>
Multiple or No Response	0.094*** <i>0.006</i>	0.067* <i>0.051</i>	-0.159*** <i>0.000</i>	-0.150*** <i>0.000</i>	-0.008 <i>0.805</i>	0.032 <i>0.346</i>	0.096*** <i>0.005</i>	0.035 <i>0.306</i>	-0.195*** <i>0.000</i>	0.061* <i>0.075</i>	0.060* <i>0.080</i>		0.036 <i>0.320</i>	-0.046 <i>0.202</i>	-0.058 <i>0.105</i>	0.059 <i>0.102</i>	-0.151*** <i>0.000</i>
Fully Credentialed Teachers	0.499*** <i>0.000</i>	0.422*** <i>0.000</i>	-0.424*** <i>0.000</i>	-0.318*** <i>0.000</i>	-0.355*** <i>0.000</i>	0.174*** <i>0.000</i>	0.106*** <i>0.002</i>	-0.035 <i>0.303</i>	-0.459*** <i>0.000</i>	0.041 <i>0.236</i>	0.525*** <i>0.000</i>	0.034 <i>0.328</i>		-0.885*** <i>0.000</i>	-0.287*** <i>0.000</i>	0.030 <i>0.400</i>	0.024 <i>0.502</i>
Emergency Credentialed Teachers	-0.484*** <i>0.000</i>	-0.411*** <i>0.000</i>	0.385*** <i>0.000</i>	0.290*** <i>0.000</i>	0.280*** <i>0.000</i>	-0.176*** <i>0.000</i>	-0.091*** <i>0.008</i>	-0.001 <i>0.986</i>	0.440*** <i>0.000</i>	-0.075** <i>0.029</i>	-0.475*** <i>0.000</i>	-0.044 <i>0.203</i>	-0.890*** <i>0.000</i>		0.200*** <i>0.000</i>	-0.029 <i>0.415</i>	0.007 <i>0.849</i>
Year Round Indicator	-0.339*** <i>0.000</i>	-0.370*** <i>0.000</i>	0.467*** <i>0.000</i>	0.301*** <i>0.000</i>	0.017 <i>0.613</i>	-0.079** <i>0.022</i>	-0.141*** <i>0.000</i>	-0.074** <i>0.030</i>	0.405*** <i>0.000</i>	-0.113*** <i>0.001</i>	-0.308*** <i>0.000</i>	-0.060* <i>0.078</i>	-0.300*** <i>0.000</i>	0.208*** <i>0.000</i>		-0.045 <i>0.209</i>	-0.100*** <i>0.006</i>
School Mobility	-0.096*** <i>0.005</i>	-0.053 <i>0.120</i>	0.041 <i>0.231</i>	0.017 <i>0.621</i>	0.103*** <i>0.003</i>	0.122*** <i>0.000</i>	-0.058* <i>0.091</i>	0.032 <i>0.347</i>	0.013 <i>0.711</i>	0.026 <i>0.447</i>	-0.046 <i>0.176</i>	0.060* <i>0.079</i>	0.034 <i>0.325</i>	-0.034 <i>0.317</i>	-0.042 <i>0.219</i>		0.098*** <i>0.007</i>
Core Class Size	-0.003 <i>0.925</i>	-0.006 <i>0.860</i>	-0.039 <i>0.260</i>	0.048 <i>0.168</i>	-0.028 <i>0.409</i>	-0.060* <i>0.079</i>	0.047 <i>0.175</i>	0.041 <i>0.230</i>	0.076** <i>0.026</i>	0.062* <i>0.074</i>	-0.079** <i>0.022</i>	-0.146*** <i>0.000</i>	0.022 <i>0.530</i>	0.012 <i>0.722</i>	-0.102*** <i>0.003</i>	0.081** <i>0.019</i>	

Note: Correlations are bivariate correlations with each observation (school) weighted by the number of valid test scores.

Each cell contains the correlation (top) and its statistical significance (bottom in italics).

* = Significant at the 0.10 level. ** = Significant at the 0.05 level. *** = Significant at the 0.01 level.